

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of:  
Fritz RUDERT et al.

Serial No.: Unassigned  
(Div. of Serial No. 09/495,880 filed 2/1/01)

Art Unit: Unassigned

Filed: Concurrently Herewith

Examiner: Unassigned

For: NOVEL METHOD AND PHAGE FOR THE IDENTIFICATION OF NUCLEIC ACID  
SEQUENCES ENCODING MEMBERS OF A MULTIMERIC (POLY)PEPTIDE  
COMPLEX

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56 and 37 CFR §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

The documents submitted herewith on Form PTO/SB/08A, lists the documents cited by or submitted to the Patent Office in parent application Serial No. 09/495,880 filed February 1, 2001.

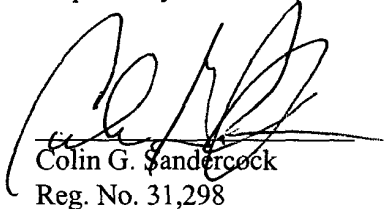
As provided in 37 C.F.R. §1.98(d), copies of the documents are not being provided since they were previously cited by or submitted to the Patent Office in parent application Serial No. 09/495,880 filed February 1, 2001.

The instant Information Disclosure Statement is being filed in compliance with 37 CFR §1.97(b) within three months from the filing date of the above-identified application, therefore, no fee is required in connection with its filing. However, the Commissioner is hereby authorized to charge any deficiency or to credit any overpayment to Deposit Account No. 08-1641.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-SB/08A be returned in accordance with M.P.E.P. §609.

Respectfully submitted,

8.6.03  
Date

  
Colin G. Sandercock  
Reg. No. 31,298

**Customer ID No. 26633**  
**HELLER EHRMAN WHITE & McAULIFFE LLP**  
1666 K Street, N.W., Suite 300  
Washington, DC 20006  
Telephone: (202) 912-2000  
Facsimile: (202) 912-2020

+

+

—

•

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	1	of	3
-------	---	----	---

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Fritz RUDERT et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	37629-0076

[illegible]

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A01	WO	88/06630			7/9/1988		
	A02	WO	90/02809			3/22/1990		
	A03	WO	91/17271			11/14/1991		
	A04	WO	91/19818			12/26/1991		
	A05	WO	92/09690			11/6/1992		
	A06	WO	92/20791			11/26/1992		
	A07	WO	93/19172			9/30/1993		
	A08	WO	95/21914			8/15/1995		
	A09	WO	97/32017					

Date  
Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC

+

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Fritz RUDERT et al.
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	37629-0076
Sheet	2	of	3		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A10	WILLIAM O. SALIVAR et al., "Purification and Properties of Diploid Particles of Coliphage M13", Virology, 1967, Vol. 32, pp. 41-51	
	A11	VINCENZO ENEA et al., "Interference Resistance Mutants of Phage f1", Virology, 1982, vol. 122, pp. 222-226	
	A12	JAVIER LOPEZ et al., "Morphogenesis of Filamentous Bacteriophage f1: Orientation of Extrusion and Production of Polyphage", Virology, 1983, Vol. 127, pp. 1770-193	
	A13	MARJORIE RUSSEL et al., "A Bacterial Gene, fip, Required for Filamentous Bacteriophage F1 Assembly", J. Bacteriology, 1983, Vol. 154, No. 3, pp. 1064-1076	
	A14	JOHN W. CRISSMAN et al., "Gene-III Protein of Filamentous Phages: Evidence for a Carboxyl-Terminal Domain with a Role in Morphogenesis", Virology, 1984, Vol. 132, pp. 445-455	
	A15	MOSES V. CHAO et al., "Gene Transfer and Molecular Cloning of the Human NGF Receptor", Science, 1985, Vol. 232, p. 518	
	A16	MARJORIE RUSSEL et al., "Genetic Analysis of the Filamentous Bacteriophage Packaging Signal and of the Proteins That Interact with It", J. Virology, 1989, Vol. 63, No. 8, pp. 3284-3295	
	A17	KOSI GRAMATIKOFF et al., "Direct Interaction rescue, a novel filamentous phage technique to study protein-protein interactions", Nucleic Acids Research, 1994, Vol. 22, No. 25, pp. 5761-5726	
	A18	ULRICH BRINKMANN et al., "Phage display of disulfide-stabilized Fv Fragments", Journal of Immunological Methods, 1997, vol. 22, pp. 28-30	
	A19	LIMING GE et al., "Simultaneous Introduction of Multiple Mutations Using Overlap Extension PCR", BioTechniques, 1997, Vol. 22, pp. 28-30	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

### Complete if Known

Application Number	Unassigned
Filing Date	Concurrently Herewith
First Named Inventor	Fritz RUDERT et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	37629-0076

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A20	FRITZ RUDERT et al., "A phage-based system to select multiple protein-protein interactions simultaneously from combinatorial libraries", FEBS Letters, 1998, Vol. 440, pp. 135-140	
	A21	CLAUS KREBBER et al., "Co-selection of cognate antibody-antigen pairs by selectively-infective phages", FEBS Letters, 1995, Vol. 377, pp. 227-231	

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.